Datasheet for ABIN1402397

# anti-CNOT2 antibody (AbBy Fluor® 555)

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## Overview

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|---|---|
| Quantity: | 100 µL |
| Target: | CNOT2 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This CNOT2 antibody is conjugated to AbBy Fluor® 555 |
| Application: | Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

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|---|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human CNOT2 |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified by Protein A. |

## Target Details

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|---|---|
| Target: | CNOT2 |
| Alternative Name: | CNOT2 (CNOT2 Products) |
| Background: | Synonyms: CCR4 associated factor 2, CCR4 NOT transcription complex subunit 2, CCR4-associated factor 2, CCR4-NOT transcription complex subunit 2, CDC36, CNOT2, CNOT2_HUMAN, HSPC131, MSTP046, Negative regulator of transcription 2, NOT2 negative regulator of transcription 2 yeast homolog, NOT2, NOT2H. |

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## Target Details

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|---|---|
| | Background: CNOT2 (CCR4-NOT transcription complex subunit 2) is a ubiquitous protein encoded by the human gene CNOT2. CNOT2 belongs to the CNOT2/3/5 family and is part of the CCR4-NOT complex. The CCR4-NOT complex is an evolutionarily conserved, multi-component complex known to be involved in transcription as well as mRNA degradation. Various subunits (e.g. CNOT1, CNOT2) are involved in influencing nuclear hormone receptor activities. The CCR4-NOT complex is also involved in the regulation of Histone H3 lysine 4 methylation through a ubiquitin-dependent pathway that likely involves the proteasome. Increased expression of the CNOT2 subunit acts to strongly repress transcription by RNA polymerase II. This repressive effect is mediated by a conserved NOT-Box, which is located at the C-terminus of CNOT2 proteins. Repression by the NOT-Box is sensitive to treatment with the histone deacetylase (HDAC) inhibitor trichostatin A. |
| Gene ID: | 4848 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Stem Cell Maintenance |

## Application Details

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|---|---|
| Application Notes: | IF(IHC-P) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

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